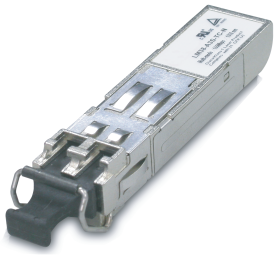
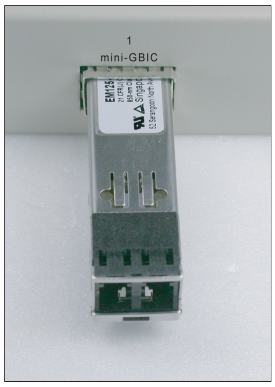
SFP Fiber Transceivers



SFP Fiber Transceivers

KTI provides a variety of optional Small Form-Factor Pluggable (SFP), which is also known as Mini-GBIC, fiber transceivers for the switches equipped with SFP connectors.The following information describes the specification of each SFP part, and it also indicates their applications in different KTI networking products.

Plug in SFP Port



∗GbE: Gigabit Ethernet
∗FE: Fast Ethernet
∗DDM: Digital Diagnostics Monitoring function

Ordering Informations:

Gigabit SFP Fiber Transceivers:

Part No.	GbE/FE	Connectors	Ref. Fiber Distance	Operating Temperature	DDM
Extended					
SFP-GLM-A	GbE	LC	MMF 550m	0°C ~ 70°C	
SFP-GLS-10-A	GbE	LC	SMF 10km	0°C ~ 70°C	
SFP-GLSD-10-A	GbE	LC	SMF 10km	0°C ~ 70°C	✔
SFP-GLS-20-A	GbE	LC	SMF 20km	0°C ~ 70°C	
SFP-GLSD-20-A	GbE	LC	SMF 20km	0°C ~ 70°C	✔
SFP-GLS-30-A	GbE	LC	SMF 30km	0°C ~ 70°C	
SFP-GLSD-30-A	GbE	LC	SMF 30km	0°C ~ 70°C	✔
SFP-GLS-50-A	GbE	LC	SMF 50km	0°C ~ 70°C	
SFP-GLSD-50-A	GbE	LC	SMF 50km	0°C ~ 70°C	✔
SFP-GLS-70-A	GbE	LC	SMF 70km	0°C ~ 70°C	
SFP-GLSD-70-A	GbE	LC	SMF 70km	0°C ~ 70°C	✔
SFP-GLS-90-A	GbE	LC	SMF 90km	0°C ~ 70°C	
SFP-GLS-110-A	GbE	LC	SMF 110km	0°C ~ 70°C	
Industrial					
SFP-GLM-A-A	GbE	LC	MMF 550m	-20°C ~ 85°C	
SFP-GLMD-A-A	GbE	LC	MMF 550m	-20°C ~ 85°C	✔
SFP-GLS-10A-A	GbE	LC	SMF 10km	-40°C ~ 85°C	
SFP-GLSD-10A-A	GbE	LC	SMF 10km	-40°C ~ 85°C	✔
SFP-GLS-20A-A	GbE	LC	SMF 20km	-40°C ~ 85°C	
SFP-GLSD-20A-A	GbE	LC	SMF 20km	-40°C ~ 85°C	✔
SFP-GLS-30A-A	GbE	LC	SMF 30km	-40°C ~ 85°C	
SFP-GLSD-30A-A	GbE	LC	SMF 30km	-40°C ~ 85°C	✔
SFP-GLS-50A-A	GbE	LC	SMF 50km	-40°C ~ 85°C	
SFP-GLSD-50A-A	GbE	LC	SMF 50km	-40°C ~ 85°C	✔
SFP-GLS-110A-A	GbE	LC	SMF 110km	-40°C ~ 85°C	
SFP-GLSD-110A-A	GbE	LC	SMF 110km	-40°C ~ 85°C	✔

WDM				
SFP-GLS-W3510-A	GbE	LC	Bi-Di SMF 10km	0°C ~ 70°C
SFP-GLS-W5310-A	GbE	LC	Bi-Di SMF 10km	0°C ~ 70°C
SFP-GLSD-W3510-A	GbE	LC	Bi-Di SMF 10km	0°C ~ 70°C
SFP-GLSD-W5310-A	GbE	LC	Bi-Di SMF 10km	0°C ~ 70°C
SFP-GLS-W3520-A	GbE	LC	Bi-Di SMF 20km	0°C ~ 70°C
SFP-GLS-W5320-A	GbE	LC	Bi-Di SMF 20km	0°C ~ 70°C
SFP-GLS-W3540-A	GbE	LC	Bi-Di SMF 40km	0°C ~ 70°C
SFP-GLS-W5340-A	GbE	LC	Bi-Di SMF 40km	0°C ~ 70°C
SFP-GLS-W3560-A	GbE	LC	Bi-Di SMF 60km	0°C ~ 70°C
SFP-GLS-W5360-A	GbE	LC	Bi-Di SMF 60km	0°C ~ 70°C
CWDM				
SFP-GLS-CxxW50-A	GbE	LC	CWDM SMF 50km	0°C ~ 70°C
SFP-GLS-CxxW80-A	GbE	LC	CWDM SMF 80km	0°C ~ 70°C
BX10				
SFP-GLS-BX10D-A	GbE	LC	Bi-Di SMF 10km	0°C ~ 70°C
SFP-GLS-BX10U-A	GbE	LC	Bi-Di SMF 10km	0°C ~ 70°C
SFP-GSS-BX10D-A	GbE	SC	Bi-Di SMF 10km	0°C ~ 70°C
SFP-GSS-BX10U-A	GbE	SC	Bi-Di SMF 10km	0°C ~ 70°C

Fast Ethernet SFP Fiber Transceivers:

Part No.	GbE/FE	Connectors	Ref. Fiber Distance	Operating Temperature	DDM
Extended					
SFP-FC-M-A	FE	LC	MMF 2km	-10°C ~ 70°C	
SFP-FC-S30-A	FE	LC	SMF 30km	0°C ~ 70°C	
SFP-FCD-S30-A	FE	LC	SMF 30km	0°C ~ 70°C	✔
SFP-FCD-S30-A2	FE	LC	SMF 30km	0°C ~ 70°C	✔
SFP-FC-S60-A	FE	LC	SMF 60km	0°C ~ 70°C	
SFP-FC-S100-A	FE	LC	SMF 100km	0°C ~ 70°C	
Industrial					
SFP-FC-M-A-A	FE	LC	MMF 2km	-40°C ~ 85°C	
SFP-FC-S10A-AV	FE	LC	SMF 10km	-10°C ~ 85°C	
SFP-FC-S30A-A	FE	LC	SMF 30km	-40°C ~ 85°C	
WDM					
SFP-FC-W3520-A	FE	LC	Bi-Di SMF 20km	0°C ~ 70°C	
SFP-FC-W5320-A	FE	LC	Bi-Di SMF 20km	0°C ~ 70°C	
BX10					
SFP-FSC-BX10D-A	FE	SC	Bi-Di SMF 10km	0°C ~ 70°C	
SFP-FSC-BX10U-A	FE	SC	Bi-Di SMF 10km	0°C ~ 70°C	

Optical Specifications:

Gigabit SFP Fiber Transceivers:

Part No.	Wavelength	Tx Power	Rx Sens.	Rx Max.
Extended				
SFP-GLM-A	850nm	-9.5 ~ -4	-18	0
SFP-GLS-10-A	1310nm	-9.5 ~ -3	-20	-3
SFP-GLSD-10-A	1310nm	-9 ~ -3	-21	-3
SFP-GLS-20-A	1310nm	-8 ~ -2	-23	-1
SFP-GLSD-20-A	1310nm	-8 ~ -3	-23	-3
SFP-GLS-30-A	1310nm	-4 ~ 1	-24	-3
SFP-GLSD-30-A	1310nm	-4 ~ 3	-24	-1
SFP-GLS-50-A	1550nm	-4 ~ 1	-24	-3
SFP-GLSD-50-A	1550nm	-4 ~ 1	-24	-1
SFP-GLS-70-A	1550nm	0 ~ 5	-24	-3
SFP-GLSD-70-A	1550nm	0 ~ 5	-24	-1
SFP-GLS-90-A	1550nm	0 ~ 5	-27	-1
SFP-GLS-110-A	1550nm	0 ~ 5	-30	-8
Industrial				
SFP-GLM-A-A	850nm	-9.5 ~ -4	-18	0
SFP-GLMD-A-A	850nm	-9.5 ~ -4	-18	0
SFP-GLS-10A-A	1310nm	-9.5 ~ -3	-20	-3
SFP-GLSD-10A-A	1310nm	-9 ~ -3	-21	-3
SFP-GLS-20A-A	1310nm	-8 ~ -2	-23	-1
SFP-GLSD-20A-A	1310nm	-8 ~ -3	-23	-3
SFP-GLS-30A-A	1310nm	-4 ~ 1	-24	-3
SFP-GLSD-30A-A	1310nm	-4 ~ 3	-24	-1
SFP-GLS-50A-A	1550nm	-4 ~ 1	-24	-3
SFP-GLSD-50A-A	1550nm	-4 ~ 1	-24	-1
SFP-GLS-110A-A	1550nm	0 ~ 5	-30	-9
SFP-GLSD-110A-A	1550nm	0 ~ 5	-30	-8
WDM				
SFP-GLS-W3510-A	Tx: 1310nm Rx: 1550nm	-9 ~ -3	-21	-3
SFP-GLS-W5310-A	Tx: 1550nm Rx: 1310nm	-9 ~ -3	-21	-3
SFP-GLSD-W3510-A	Tx: 1310nm Rx: 1550nm	-9 ~ -3	-21	-3
SFP-GLSD-W5310-A	Tx: 1550nm Rx: 1310nm	-9 ~ -3	-21	-3
SFP-GLS-W3520-A	Tx: 1310nm Rx: 1550nm	-8 ~ -2	-23	-1
SFP-GLS-W5320-A	Tx: 1550nm Rx: 1310nm	-8 ~ -2	-23	-1

Applications:

Model	Product	SFP Ports
KGS-2421	GbE Switch	GbE (DDM)
KGS-2422	GbE Switch	GbE, FE
KGS-2423	GbE Switch	GbE (DDM)
KGS-1620	GbE Switch	GbE (DDM)
KGS-810F	GbE Switch	GbE (DDM)
KGS-612F	GbE Switch	GbE, FE (DDM)
KGS-510F Ver.B	GbE Switch	GbE
KGD-802	GbE Switch	GbE (Industrial, DDM)
KGD-600	GbE Switch	GbE (Industrial)
KFS-2621	FE Switch	GbE
KGS-0820	FE Switch	GbE, FE (DDM)
KSD-541	FE Switch	FE (Industrial)
KGC-300	GbE MC	GbE
KGC-310M	GbE MC	GbE
KGC-352	GbE MC	GbE
KCD-400	GbE MC	GbE (Industrial)
KGC-311	MC	GbE, FE
KG-500F	GbE NIC	GbE

MC: media Converter
NIC: Network interface card

SFP-GLS-W3540-A	Tx: 1310nm Rx: 1550nm	-3 ~ 2	-23	-1
SFP-GLS-W5340-A	Tx: 1550nm Rx: 1330nm	-3 ~ 2	-23	-1
SFP-GLS-W3560-A	Tx: 1310nm Rx: 1550nm	0 ~ 5	-24	-1
SFP-GLS-W5360-A	Tx: 1550nm Rx: 1310nm	-2 ~ 4	-25	-1
CWDM				
SFP-GLS-CxxW50-A	Tx: 1xx0nm (1470~1610nm)	0 ~ 5	-24	-1
SFP-GLS-CxxW80-A	Tx: 1xx0nm (1470~1610nm)	0 ~ 5	-30	-8
BX10				
SFP-GLS-BX10D-A	Tx: 1490nm Rx: 1310nm	-9 ~ -3	-21	-1
SFP-GLS-BX10U-A	Tx: 1310nm Rx: 1490nm	-9 ~ -3	-21	-1
SFP-GSS-BX10D-A	Tx: 1490nm Rx: 1310nm	-9 ~ -3	-21	-1
SFP-GSS-BX10U-A	Tx: 1310nm Rx: 1490nm	-9 ~ -3	-21	-1

Fast Ethernet SFP Fiber Transceivers:

Part No.	Wavelength	Tx Power	Rx Sens.	Rx Max.
Extended				
SFP-FC-M-A	1310nm	-20 ~ -14	-31	-8
SFP-FC-S30-A	1310nm	-15 ~ -8	-34	0
SFP-FCD-S30-A	1310nm	-15 ~ -8	-32	0
SFP-FCD-S30-A2	1310nm	-15 ~ -8	-34	0
SFP-FC-S60-A	1310nm	-5 ~ 0	-35	0
SFP-FC-S100-A	1550nm	-5 ~ 0	-35	0
Industrial				
SFP-FC-M-A-A	1310nm	-20 ~ -14	-31	-8
SFP-FC-S10A-AV	1310nm	-15 ~ -8	-23	-8
SFP-FC-S30A-A	1310nm	-15 ~ -8	-34	0
WDM				
SFP-FC-W3520-A	Tx: 1310nm Rx: 1550nm	-14 ~ -8	-32	0
SFP-FC-W5320-A	Tx: 1550nm Rx: 1310nm	-14 ~ -8	-32	0
BX10				
SFP-FSC-BX10D-A	Tx: 1550nm Rx: 1310nm	-14 ~ -8	-32	0
SFP-FSC-BX10U-A	Tx: 1310nm Rx: 1550nm	-14 ~ -8	-32	0

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